

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; ~~an internal spring activation element[[,]] wherein the internal spring activation element comprises a moveable internal spring pin[[,]] with an internal spring, to eliminate ordinal locking of the trap; and a release pin to eliminate ordinal setup requirement;~~ at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of between one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; a trigger to permit application of a low force ~~for release~~ to move a release pin; and ~~an internal release activation element comprising the release pin and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein~~ whereby the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin[[,]] ~~the internal spring[[,]]~~ and the release pin to move a position of the container.

2. **(Currently Amended)** The low-force release mechanism of claim 1, wherein the release pin and at the least one ball bearing lock and hold the position of the trap.

3. **(Withdrawn)** The low force release mechanism of claim 1, further comprising at least one roller slug to lock and hold the position of the trap.

4. **(Withdrawn)** The low-force release mechanism of claim 1, wherein the one or more ball bearings that lock and hold the position of the trap with the release pin are low frictional ball bearings with a coefficient of static friction less than 0.15.

5. **(Previously Presented)** The low-force release mechanism of claim 1, further comprising a hanger.

6. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; ~~a moveable an~~ internal spring pin[,]~~with an internal spring, to eliminate ordinal locking of the trap; and a release pin to eliminate ordinal setup requirement; a movable hanger through which force can be applied to move the position of the internal spring pin or receive force applied by the main structure as a point of external attachment; a hanger able to push the internal spring pin down, thereby locking the internal spring pin in a down position;~~ at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein ~~when the release pin is configured to be moveable to effect the position of pushed between~~ one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; a trigger to permit application of a low force for release to move a release pin; and the release pin and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein whereby the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin[,]~~the internal spring~~ and the release pin to move a position of the container.

7. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; ~~an internal spring activation element[,]~~wherein the internal spring activation element comprises a moveable internal spring pin[,]~~with an internal spring, to eliminate ordinal locking of the trap; and a release pin used to eliminate ordinal setup requirement;~~~~~~ at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of between one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; a trigger to permit application of a low force for release to move a release pin; a lift spring that can move the internal spring pin; and an internal release activation element comprising the release pin and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein whereby the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the

low force on the trigger causes the internal spring pin[,]~~the internal spring~~, and the release pin to move a position of the container.

8. **(Previously Amended)** The low-force release mechanism of claim 1, wherein the container is selected from the group consisting of: a bag, a box, a collapsible box, and a net.

9. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; ~~an internal spring activation element[,]~~~~wherein the internal spring activation element comprises~~ a moveable internal spring pin[,]with an internal spring, to eliminate ordinal locking of the trap; and a release pin ~~used to eliminate ordinal setup requirement;~~ at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of ~~between~~ one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; a trigger to permit application of a low force for release to move a release pin; and ~~an internal release activation element comprising the release pin and the~~ one or more ball bearings or slugs interact with the internal geometry of the trap, wherein~~whereby~~ the one or more ball bearings or slugs retract upon removal of the release pin such that a user pulling on the string attached to ~~the application of the low force on~~ the trigger causes the internal spring pin[,]~~the internal spring~~ and the release pin to move a position of the container, such that the container collapses releasing its contents.

10. **(Previously Presented)** The low-force release mechanism of claim 1 or claim 9, wherein the load force is distributed to the main structure and to the trap.

11. **(Currently Amended)** A low-force release mechanism comprising: a main structure; a trap; ~~an internal spring activation element[,]~~~~wherein the internal spring activation element comprises~~ a moveable internal spring pin[,]with an internal spring, to eliminate ordinal locking of the trap; and a release pin ~~used to eliminate ordinal setup~~

~~requirement~~; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of ~~between~~ one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; a trigger to permit application of a low force ~~for release~~ to move a release pin; and ~~an internal release activation element comprising the release pin~~ a trap spring and ~~the~~ one or more ball bearings or slugs interact with the geometry of the trap, wherein ~~whereby~~ the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring ~~pin~~ the internal spring and the release pin to move a position of the container.